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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,571	12/22/2003	Jin-sheng Wang	TI-36946	7976
23494	7590 03/03/2005		EXAMINER	
	STRUMENTS INCO	LAM, TUAN THIEU		
	55474, M/S 3999 TX 75265	4 €	ART UNIT	PAPER NUMBER
,			2816	
			DATE MAILED: 03/03/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	···	Application No.	Applicant(s)			
		10/743,571	WANG ET AL.			
Office Action Summary		Examiner	Art Unit			
		Tuan T. Lam	2816			
Period f	The MAILING DATE of this communication apport	pears on the cover sheet with the	correspondence address			
A SH THE - Exte after - If th - If NO - Failt Any	HORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. ensions of time may be available under the provisions of 37 CFR 1.1 r SIX (6) MONTHS from the mailing date of this communication. e period for reply specified above is less than thirty (30) days, a repl operiod for reply is specified above, the maximum statutory period ure to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be y within the statutory minimum of t ¹ irty (30) d will apply and will expire SIX (6) MONTHS fro c, cause the application to become AF ANDO	timely filed lays will be considered timely. om the mailing date of this communication. NED (35 U.S.C. § 133).			
Status		`				
1)[🛛	Responsive to communication(s) filed on 22 E	ecember 2003.				
	This action is FINAL . 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the m						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposit	tion of Claims					
4) 🔯	Claim(s) <u>1-11</u> is/are pending in the application.					
<i>,</i> —	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)	Claim(s) is/are allowed.					
	Claim(s) <u>1,3-5 and 9</u> is/are rejected.					
7)🛛	Claim(s) 2, 6-8, 10-11 is/are objected to. Claim(s) are subject to restriction and/or election requirement.					
8)						
Applicat	tion Papers					
9)□	The specification is objected to by the Examine	er				
	The drawing(s) filed on <u>22 December 2003</u> is/a		cted to by the Examiner			
,—	Applicant may not request that any objection to the					
	Replacement drawing sheet(s) including the correct					
11)	The oath or declaration is objected to by the Ex		• • • • • • • • • • • • • • • • • • • •			
	under 35 U.S.C. § 119					
_	Acknowledgment is made of a claim for foreign	ndority under 35 H.S.C. & 110	(a)-(d) or (f)			
	☐ All b)☐ Some * c)☐ None of:	phonty under 33 0.3.0. § 119	(a)-(u) or (i).			
-,	1. Certified copies of the priority document	s have been received				
	2. Certified copies of the priority document		ation No			
	3. Copies of the certified copies of the prior		· · · · · · · · · · · · · · · · · · ·			
	application from the International Burea					
* (See the attached detailed Office action for a list		ved.			
Attachmer	nt(s)					
1) 🔯 Notic	ce of References Cited (PTO-892)	4) 🔲 Interview Summa				
	ce of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail	Date			
	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) er No(s)/Mail Date	6) Other:	Patent Application (PTO-152)			

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- Claims 1, 3-5 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Lim (USP 5,319,265). Figure 4 shows a signal level detection comprising a first DC error amplifier operational (Q1-Q5) to generate a control signal (signal at the collector of the transistor Q4) in response to a reference signal (Vin) and a feedback signal (signal at the collector of the transistor Q5), and a first inverter (Q7-Q9, IB) operational to generate the feedback signal in response to the first DC error amplifier control signal, wherein the first DC error amplifier control signal operate to set a switching point for the first inverter (the hysteresis of the comparator is determined by the switching point of the inverter (Q7-Q9) as called for in claims 1, 3-5 and 9.
- 3. Claims 1, 3-5 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Lim et al. (USP 5,614,857). Figure 1 shows a signal level detection comprising a first DC error amplifier operational (OP1) to generate a control signal (Vout) in response to a reference signal (Vin) and a feedback signal (Vth), and a first inverter (Q1, R4) operational to generate the feedback signal in response to the first DC error amplifier control signal, wherein the first DC error amplifier control signal operate to set a switching point for the first inverter as called for in claims 1, 3-5 and 9.

Application/Control Number: 10/743,571 Page 3

Art Unit: 2816

4. Claims 1, 3-5 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Chevallier et al. (USP 6,229,352). Figure 2 shows a signal level detection comprising a first DC error amplifier operational (12) to generate a control signal (20) in response to a reference signal (15) and a feedback signal (17), and a first inverter (16) operational to generate the feedback signal in response to the first DC error amplifier control signal, wherein the first DC error amplifier control signal operate to set a switching point for the first inverter as called for in claims 1, 3-5 and 9.

Allowable Subject Matter

5. Claims 2, 6-8 and 10-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Lam whose telephone number is 571-272-1744. The examiner can normally be reached on Monday to Friday (7:30 am to 6:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TIMOTHY P. CALLAHAN can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2816

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan T. Lam Primary Examiner

Art Unit 2816

2/25/2005